



2001 Toxics Release Inventory

DELAWARE

Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	8,191,129
Air Emissions	6,651,525
Surface Water Discharges	573,937
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	0
Other On-site Land Releases	965,666
Off-site Releases (Transfers Off-site to Disposal)*	3,883,235
Total On- and Off-site Releases	12,074,363
Recycled On-site	24,133,520
Recycled Off-site	8,721,191
Energy Recovery On-site	25,863,740
Energy Recovery Off-site	2,642,626
Treated On-site	40,675,792
Treated Off-site**	1,726,890
Quantity Released On- and Off-site***	11,953,371
Total Production-related Waste Managed	115,717,130
Non-production-related Waste Managed	163,168
Transfers Off-site for Further Waste Management, including Disposal	
Recycling	8,725,818
Energy Recovery	2,632,870
Treatment	184,088
Publicly Owned Treatment Works (POTWs)	1,575,732
Metals and Metal Category Compounds*	7,723
Non-metal TRI Chemicals**	1,568,009
Other Off-site Transfers****	0
Transfers Off-site to Disposal (not including metals to POTWs)	3,877,073
Total Transfers Off-site for Further Waste Management, including Disposal	16,995,582

* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

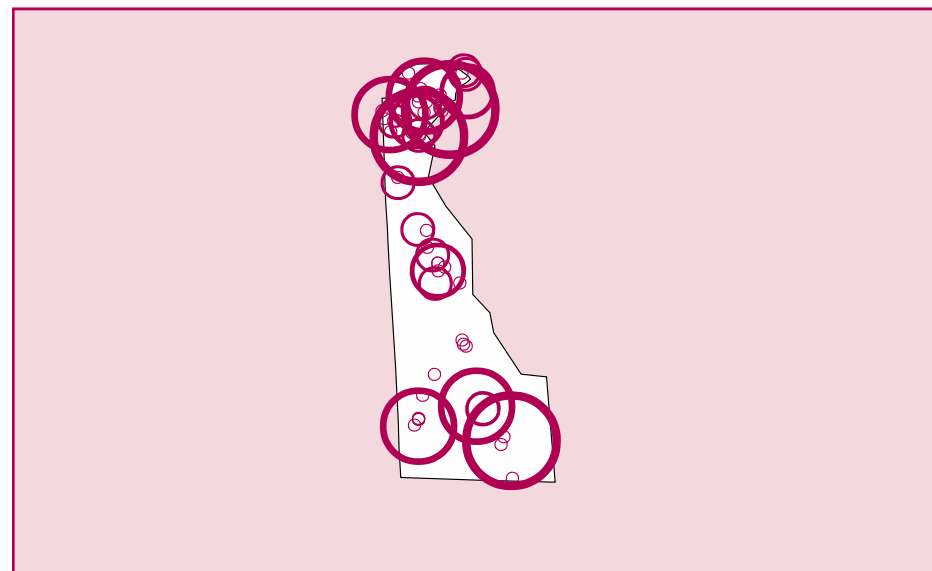
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Support Service (TRI-US):
(202) 566-0250
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of Delaware. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	796,599
Square Miles	1,955
Total Facilities	79
Total Forms	362
Form As	57

	Total
National Rank for Total On- and Off-site Releases*	
Rank	44
Pounds	12,074,363
National Rank for Total On-site Releases**	
Rank	46
Pounds	8,191,129
National Rank for Total Releases within State***	
Rank	45
Pounds	10,630,420
National Rank for Production-related Waste Managed	
Rank	37
Pounds	115,717,130

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	3,498,939	0	0	0	0	3,498,939	0	0	0
—	Manganese compounds	4,908	57,786	0	62,422	3,171,087	3,296,203	1,358	2,025,953	1,145,134
7664-93-9	Sulfuric acid	1,231,626	0	0	0	0	1,231,626	0	0	0
—	Nitrate compounds	81	444,530	0	210	0	444,821	0	0	0
—	Barium compounds	6,618	3,585	0	315,204	114,131	439,538	47,684	25,710	88,421

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	3,808.24	3,525.90	0.00	18,495.00	59,104.20	84,933.34	1,001.00	32,517.20	26,967.00
7439-92-1	Lead	2.77	41.00	0.00	2,958.00	10.54	3,012.31	0.20	0.00	10.54
7439-97-6	Mercury	1,068.00	20.00	0.00	0.00	1,047.00	2,135.00	0.00	0.00	1,047.00
118-74-1	Hexachlorobenzene	0.00	52.00	0.00	98.60	672.00	822.60	0.00	297.00	375.00
—	Mercury compounds	414.01	0.30	0.00	215.30	48.97	678.58	66.40	8.87	42.50
29082-74-4	Octachlorostyrene	0.00	0.12	0.00	42.40	508.60	551.12	0.00	224.60	284.00
608-93-5	Pentachlorobenzene	0.00	15.70	0.00	29.60	201.60	246.90	0.00	89.00	112.60
—	Dioxin and dioxin-like compounds	0.01	0.04	0.00	12.86	156.25	169.16	0.00	68.96	87.29
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>4.493</i>	<i>17.745</i>	<i>0.000</i>	<i>5,832.910</i>	<i>70,859.881</i>	<i>76,715.030</i>	<i>0.000</i>	<i>31,273.570</i>	<i>39,586.311</i>
—	Polycyclic aromatic compounds	121.16	2.10	0.00	0.00	0.00	123.26	2.51	0.00	0.00
1336-36-3	Polychlorinated biphenyls (PCBs)	0.00	0.28	0.00	0.32	71.20	71.80	0.00	31.40	39.80
191-24-2	Benzo(g,h,i)perylene	0.89	1.90	0.00	0.00	0.00	2.79	0.00	0.00	0.00
79-94-7	Tetrabromobisphenol A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

*** No reports were submitted for these chemicals.

** The chemical ranking is based on the amounts in this column.



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On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Indian River Generating Station, Millsboro, Sussex	1,866,048	2,900	0	0	0	564,677	2,433,625	0	0
Conectiv Edge Moor/Hay Road Power Plants, Wilmington, New Castle	1,705,945	34,426	0	0	0	0	1,740,371	42,654	208,111
Motiva Enterprises L.L.C., Delaware City, New Castle	1,256,410	47,528	0	0	0	351,170	1,655,108	0	758
Du Pont Seaford Plant, Seaford, Sussex	306,281	136,338	0	0	0	26,071	468,690	0	0
DaimlerChrysler Co. Newark Assembly Plant, Newark, New Castle	384,450	0	0	0	0	0	384,450	14,741	0
GM Saturn Wilmington Assembly Plant, Wilmington, New Castle	343,322	360	0	0	0	0	343,682	266	10,268
Georgetown Processing Plant Facility #17, Georgetown, Sussex	0	310,000	0	0	0	210	310,210	0	0
Du Pont Edge Moor, Edgemoor, New Castle	195,808	37,153	0	0	0	12,033	244,994	2,283,313	1,278,568
NRG Energy Center Dover, Dover, Kent	119,019	0	0	0	0	0	119,019	382	0
Formosa Plastics Corp., Delaware City, New Castle	116,616	0	0	0	0	0	116,616	0	0

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Indian River Generating Station, Millsboro, Sussex	1,002.90	0.00	0.00	0.00	0.00	16,677.00	17,679.90	0.00	0.00
Conectiv Edge Moor/Hay Road Power Plants, Wilmington, New Castle	1,639.30	3,479.00	0.00	0.00	0.00	0.00	5,118.30	938.40	7,016.20
U.S. Air Force Dover AFB DE Small Arms Range, Dover AFB, Kent	0.00	0.00	0.00	0.00	0.00	2,958.00	2,958.00	0.00	0.00
Du Pont Seaford Plant, Seaford, Sussex	187.26	0.00	0.00	0.00	0.00	1,742.00	1,929.26	0.00	0.00
Occidental Chemical Corp., New Castle, New Castle	1,068.00	20.00	0.00	0.00	0.00	0.00	1,088.00	0.00	1,047.00
Motiva Enterprises L.L.C., Delaware City, New Castle	704.51	4.90	0.00	0.00	0.00	27.30	736.71	0.00	58.80
Citisteel USA Inc., Claymont, New Castle	566.61	2.30	0.00	0.00	0.00	31.00	599.91	39.00	0.00
Du Pont Edge Moor, Edgemoor, New Castle	0.00	112.14	0.00	0.00	0.00	416.78	528.92	31,336.96	18,353.69
Johnson Controls Battery Group Inc., Middletown, New Castle	177.00	0.00	0.00	0.00	0.00	0.00	177.00	0.00	28.00
American Minerals Inc., New Castle, New Castle	2.00	41.00	0.00	0.00	0.00	0.00	43.00	0.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Du Pont Edge Moor, Edgemoor, New Castle	0	34	0	0	28,175,000	0	3,806,875	31,981,909	0
Indian River Generating Station, Millsboro, Sussex	0	0	0	0	474,000	0	2,400,681	2,874,681	0
Conectiv Edge Moor/Hay Road Power Plants, Wilmington, New Castle	0	0	0	0	116,035	0	1,991,132	2,107,167	0
Motiva Enterprises L.L.C., Delaware City, New Castle	0	141,180	25,629,261	2,624	5,277,461	251	1,515,598	32,566,375	135,000
Du Pont Seaford Plant, Seaford, Sussex	0	0	0	0	132,204	7,892	468,690	608,786	0
DaimlerChrysler Co. Newark Assembly Plant, Newark, New Castle	0	127,323	0	9,750	41,730	131,700	396,323	706,826	0
GM Saturn Wilmington Assembly Plant, Wilmington, New Castle	0	0	0	454,259	83,154	74,101	357,378	968,892	0
Georgetown Processing Plant Facility #17, Georgetown, Sussex	0	0	0	0	0	0	310,210	310,210	0
NRG Energy Center Dover, Dover, Kent	0	0	0	0	23,000	0	119,410	142,410	0
Formosa Plastics Corp., Delaware City, New Castle	0	0	0	0	139,431	0	116,540	255,971	76

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Du Pont Edge Moor, Edgemoor, New Castle	0.00	34.00	0.00	0.00	0.00	0.00	50,220.00	50,254.00	0.00
Indian River Generating Station, Millsboro, Sussex	0.00	0.00	0.00	0.00	0.00	0.00	17,681.00	17,681.00	0.00
Conectiv Edge Moor/Hay Road Power Plants, Wilmington, New Castle	0.00	0.00	0.00	0.00	0.00	0.00	13,073.00	13,073.00	0.00
U.S. Air Force Dover AFB DE Small Arms Range, Dover AFB, Kent	0.00	0.00	0.00	0.00	0.00	0.00	2,958.00	2,958.00	0.00
General Chemical Corp. Delaware Valley Works, Claymont, New Castle	0.00	0.00	0.00	0.00	0.00	0.00	2,158.00	2,158.00	0.00
Occidental Chemical Corp., New Castle, New Castle	7,800.00	0.00	0.00	0.00	0.00	0.00	2,017.00	9,817.00	118.00
Du Pont Seaford Plant, Seaford, Sussex	0.00	0.00	0.00	0.00	0.00	0.00	1,929.00	1,929.00	0.00
Motiva Enterprises L.L.C., Delaware City, New Castle	0.00	180.00	210.00	0.00	400.00	0.00	790.00	1,580.00	0.00
Chrome Deposit Corp., Newark, New Castle	0.00	6,790.00	0.00	0.00	0.00	0.00	700.00	7,490.00	0.00
Citisteel USA Inc., Claymont, New Castle	0.00	254,642.00	0.00	0.00	0.00	0.00	665.00	255,307.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.